

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

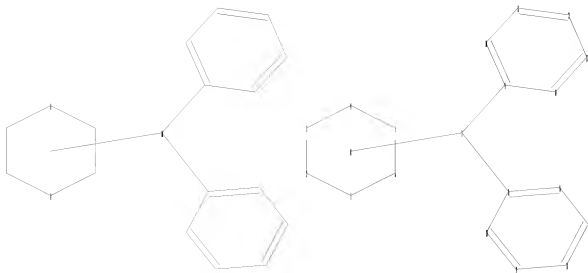
LOGINID:SSSPTA1600RKA

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

***** Welcome to STN International *****

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	DEC 01	ChemPort single article sales feature unavailable
NEWS	3	FEB 02	Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE
NEWS	4	FEB 02	GENBANK enhanced with SET PLURALS and SET SPELLING
NEWS	5	FEB 06	Patent sequence location (PSL) data added to USGENE
NEWS	6	FEB 10	COMPENDEX reloaded and enhanced
NEWS	7	FEB 11	WTEXTILES reloaded and enhanced
NEWS	8	FEB 19	New patent-examiner citations in 300,000 CA/CAPLUS patent records provide insights into related prior art
NEWS	9	FEB 19	Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01
NEWS	10	FEB 23	Several formats for image display and print options discontinued in USPATFULL and USPAT2
NEWS	11	FEB 23	MEDLINE now offers more precise author group fields and 2009 MeSH terms
NEWS	12	FEB 23	TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms
NEWS	13	FEB 23	Three million new patent records blast AEROSPACE into STN patent clusters
NEWS	14	FEB 25	USGENE enhanced with patent family and legal status display data from INPADOCDB
NEWS	15	MAR 06	INPADOCDB and INPAFAMDB enhanced with new display formats
NEWS	16	MAR 11	EPFULL backfile enhanced with additional full-text applications and grants
NEWS	17	MAR 11	ESBIOBASE reloaded and enhanced
NEWS	18	MAR 20	CAS databases on STN enhanced with new super role for nanomaterial substances
NEWS	19	MAR 23	CA/CAPLUS enhanced with more than 250,000 patent equivalents from China
NEWS	20	MAR 30	IMSPATENTS reloaded and enhanced
NEWS	21	APR 03	CAS coverage of exemplified prophetic substances enhanced
NEWS	22	APR 07	STN is raising the limits on saved answers
NEWS	23	APR 24	CA/CAPLUS now has more comprehensive patent assignee information
NEWS	24	APR 26	USPATFULL and USPAT2 enhanced with patent assignment/reassignment information
NEWS	25	APR 28	CAS patent authority coverage expanded
NEWS	26	APR 28	ENCOMPLIT/ENCOMPLIT2 search fields enhanced
NEWS	27	APR 28	Limits doubled for structure searching in CAS REGISTRY
NEWS	28	MAY 08	STN Express, Version 8.4, now available
NEWS	29	MAY 11	STN on the Web enhanced



```

chain nodes :
7
ring nodes :
1 2 3 4 5 6 9 10 11 12 13 14 15 16 17 18 19 20
chain bonds :
7-9 7-15
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 9-10 9-14 10-11 11-12 12-13 13-14 15-16 15-20
16-17 17-18 18-19 19-20
exact/norm bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-9 7-15
normalized bonds :
9-10 9-14 10-11 11-12 12-13 13-14 15-16 15-20 16-17 17-18 18-19 19-20
isolated ring systems :
containing 1 : 9 : 15 :

```

```

Connectivity :
7:3 E exact RC ring/chain
Match level :
1:CLASS 2:CLASS 3:CLASS 4:CLASS 5:CLASS 6:CLASS 7:CLASS 8:CLASS 9:CLASS
10:CLASS 11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS
18:CLASS 19:CLASS 20:CLASS

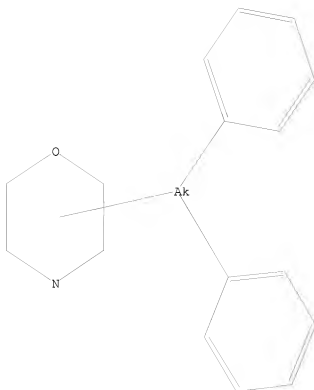
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L1 STRUCTURE UPLOADED

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=> d
L1 HAS NO ANSWERS
L1 STR

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Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 18:22:29 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 15803 TO ITERATE

12.7% PROCESSED 2000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 308529 TO 323591
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 18:22:33 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 320339 TO ITERATE

100.0% PROCESSED 320339 ITERATIONS 112 ANSWERS
SEARCH TIME: 00.00.07

L3 112 SEA SSS FUL L1

=> s l3 and caplus/lc

66206910 CAPLUS/LC

L4 60 L3 AND CAPLUS/LC

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=> s 13 not 14
L5          52 L3 NOT L4

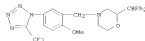
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15 ANWEX 50 OF 52 REGISTRY COPYRIGHT 2009 ACS on STM
 EN 841819-49-1 REGISTRY
 ED Entered STM: 03 Aug 2005
 CN Mopholine, 2-[[2-(5-fluoro-2-methoxyphenyl)-1-methyl-1-phenylethyl]- (CA INDEX NAME)
 MF C20 H24 F N O2
 CI COH
 SR CA



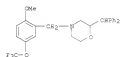
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

15 ANWEX 51 OF 52 REGISTRY COPYRIGHT 2009 ACS on STM
 EN 791578-31-9 REGISTRY
 ED Entered STM: 02 Nov 2004
 CN Mopholine, 2-(diphenylmethyl)-4-[[2-methoxy-5-[(trifluoromethyl)-1H-tetrazol-1-yl]phenyl]methyl]- (CA INDEX NAME)
 MF C27 H26 F3 N3 O2
 CI COH
 SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

15 ANWEX 52 OF 52 REGISTRY COPYRIGHT 2009 ACS on STM
 EN 731768-77-7 REGISTRY
 ED Entered STM: 23 Aug 2004
 CN Mopholine, 2-[[diphenylmethyl]-4-[[2-methoxy-5-[(trifluoromethyl)phenyl]methyl]- (CA INDEX NAME)
 MF C26 H26 F3 N3 O2
 CI COH
 SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

=> d his

(FILE 'HOME' ENTERED AT 18:21:45 ON 15 MAY 2009)

FILE 'REGISTRY' ENTERED AT 18:22:05 ON 15 MAY 2009

L1	STRUCTURE UPLOADED
L2	0 S L1
L3	112 S L1 FULL
L4	60 S L3 AND CAPLUS/LC
L5	52 S L3 NOT L4

=> d 15 45-50

L5 ANSWER 45 OF 52 REGISTRY COPYRIGHT 2009 ACS on STM
 RN 860115-81-7 REGISTRY
 ED Entered STM: 15 Aug 2005
 CN Morpholine, 2-([1S]-1,2-diphenylethyl)-, (2S)- (CA INDEX NAME)
 PS STEREOSOURCE
 MF C18 H21 N O
 CI COM
 SR CA

Absolute stereochemistry.



***PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

L5 ANSWER 46 OF 52 REGISTRY COPYRIGHT 2009 ACS on STM
 RN 860115-80-6 REGISTRY
 ED Entered STM: 15 Aug 2005
 CN Morpholine, 2-([1R]-1,2-diphenylethyl)-, (2S)- (CA INDEX NAME)
 PS STEREOSOURCE
 MF C18 H21 N O
 CI COM
 SR CA

Absolute stereochemistry.



***PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

L5 ANSWER 47 OF 52 REGISTRY COPYRIGHT 2009 ACS on STM
 RN 860115-79-3 REGISTRY
 ED Entered STM: 15 Aug 2005
 CN Morpholine, 2-([1S]-1,2-diphenylethyl)-, (2R)- (CA INDEX NAME)
 PS STEREOSOURCE
 MF C18 H21 N O
 CI COM
 SR CA

Absolute stereochemistry.



***PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

L5 ANSWER 48 OF 52 REGISTRY COPYRIGHT 2009 ACS on STM
 RN 860115-78-2 REGISTRY
 ED Entered STM: 15 Aug 2005
 CN Morpholine, 2-([1R]-1,2-diphenylethyl)-, (2R)- (CA INDEX NAME)
 PS STEREOSOURCE
 MF C18 H21 N O
 CI COM
 SR CA

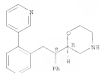
Absolute stereochemistry.



***PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

L5 ANWEX 49 OF 52 REGISTRY COPYRIGHT 2009 ACS on STM
 RN 848115-71-1 REGISTRY
 ED Entered STM: 15 Aug 2005
 CN Morpholine, 2-[(1R)-1-phenyl-2-[2-(3-pyridinyl)phenyl]ethyl]-, (2S)-enl-
 (CA INDEX NAME)
 TS STEREOISACRE
 MF C22 H24 N2 O
 CI OAN
 SR CA

Relative stereochemistry:



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L5 ANWEX 50 OF 52 REGISTRY COPYRIGHT 2009 ACS on STM
 RN 847819-48-1 REGISTRY
 ED Entered STM: 03 Apr 2005
 CN Morpholine, 2-[2-(5-fluoro-2-methoxyphenyl)-1-methyl-1-phenylethyl]- (CA
 INDEX NAME)
 MF C20 H24 F N O2
 CI COH
 SR CA



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

=> fil caplus		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	212.56	212.78

FILE 'CAPLUS' ENTERED AT 18:25:59 ON 15 MAY 2009
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FILE COVERS 1907 - 15 May 2009 VOL 150 ISS 21
 FILE LAST UPDATED: 14 May 2009 (20090514/ED)
 REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2009
 USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2009

CAPLUS now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

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<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate

=> d his

(FILE 'HOME' ENTERED AT 18:21:45 ON 15 MAY 2009)

FILE 'REGISTRY' ENTERED AT 18:22:05 ON 15 MAY 2009

L1	STRUCTURE UPLOADED
L2	0 S L1
L3	112 S L1 FULL
L4	60 S L3 AND CAPLUS/LC
L5	52 S L3 NOT L4

FILE 'CAPLUS' ENTERED AT 18:25:59 ON 15 MAY 2009

=> d cost		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
CONNECT CHARGES	0.43	3.45
NETWORK CHARGES	0.07	0.63
SEARCH CHARGES	0.00	190.75
DISPLAY CHARGES	0.00	18.45
	-----	-----
FULL ESTIMATED COST	0.50	213.28

IN FILE 'CAPLUS' AT 18:26:04 ON 15 MAY 2009

=> d cost full

FILE & COST CENTER	QUANTITY @	RATE	ESTIMATED COST U.S. DOLLARS
HOME FILE COST=			
CONNECT HOURS	0.01 @	15.00	0.15
INTERNET HOURS	0.01 @	7.00	0.07
REGISTRY FILE COST=			
CONNECT HOURS	0.07 @	41.00	2.87
INTERNET HOURS	0.07 @	7.00	0.49
DISPLAYS IN FORMAT IDE	9 @	2.05	18.45
ONL FUL SSS/CSS SEARCH TERMS	1 @	97.35	97.35
ONL FUL SSS/CSS SEARCHES	1 @	88.05	88.05
SEARCH TERMS IN FIELD LC	1 @	5.35	5.35
CAPLUS FILE COST=			
CONNECT HOURS	0.01 @	43.00	0.43
INTERNET HOURS	0.01 @	7.00	0.07

SUMMARY BY FILE	AND	COST CENTER	HOURS	ESTIMATED COST U.S. DOLLARS
HOME FILE		(NONE)	0.01	0.22
REGISTRY FILE		(NONE)	0.07	212.56
CAPLUS FILE		(NONE)	0.01	0.50

COSTS INCLUDE TELECOMMUNICATION FEES	0.09	0.63
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SUMMARY BY	COST CENTER	HOURS	ESTIMATED COST U.S. DOLLARS
	(NONE)	0.09	213.28
YOUR TOTAL SESSION COSTS ARE		0.09	213.28

IN FILE 'CAPLUS' AT 18:26:19 ON 15 MAY 2009

=> fil caplus

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.50	213.28

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FILE COVERS 1907 - 15 May 2009 VOL 150 ISS 21
FILE LAST UPDATED: 14 May 2009 (20090514/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Feb 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Feb 2009

CAPLUS now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

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<http://www.cas.org/legal/infopolicy.html>

This file contains CAS Registry Numbers for easy and accurate

=> d his

(FILE 'HOME' ENTERED AT 18:21:45 ON 15 MAY 2009)

FILE 'REGISTRY' ENTERED AT 18:22:05 ON 15 MAY 2009

L1	STRUCTURE UPLOADED
L2	0 S L1
L3	112 S L1 FULL
L4	60 S L3 AND CAPLUS/LC
L5	52 S L3 NOT L4

FILE 'CAPLUS' ENTERED AT 18:25:59 ON 15 MAY 2009

FILE 'CAPLUS' ENTERED AT 18:26:50 ON 15 MAY 2009

=> s l4

L6 11 L4

=> d ibib abs hitstr 1-11



18	Diacetoxysuccinyl synthetase (H,K,S,S)-2-(2-aryl-1-phenylethyl)phosphonates 1 (R = OEt, OMe, Ph, OSMe ₂ , OPh, OSMe ₂ Me) was achieved through the preparation of key <i>N</i> -enol triflate II and its further
22	coupling with appropriate benzylene reagents and final hydrogenation. 960104-13-49 931572-28-09 931572-28-09 931572-28-09 Li SR Synthesis Preparation) PREP (Preparation) Preparation of (aryl)phenylethylphosphonates as norepinephrine
Transport	inhibitors by coupling of enol triflate with benzylene reagents and asym. hydrogenation.
920	960104-13-6 CAPLDS
CR Morpholine,	
2-(12)-2-(1-(1,1-dimethylethyl)dimethylthio)oxyphenyl-1-phenylethyl-, (2S)-enol- (CA INDEX NAME)	
Relative stereochemistry	

16 ANSWER 1 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
 20 935762-28-0 CAPLUS
 24 CN Morpholine, 2-([1R]-2-([1-methylethyl]phenyl)-1-phenylethyl)-,
 28 [2S]-rel-
 32 (CA INDEX NAME)

Relative stereochemistry.



```

NN  935762-29-1  CAPLUS
CN  Morpholine, 2-[(1R)-2-(2-phenoxyphenyl)-1-phenylethyl]-, (2S)-rel- (CA
    INDEX NAME)

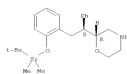
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Relative stereochemistry.



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR
THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

16 ANSWER 1 OF 11 CAPLOS COPYRIGHT 2009 ACS on STM [Continued]



```

FBI  935762-25-7  CAPLOS
CBI  Morpholine, 2-[(1R)-2-(2-ethoxyphenyl)-1-phenylethyl]-, (2S)-rel- (CA
INDEX NAME)

```

Relative stereochemistry



FIN	935762-26-8	CAPLOS
CN	Morpholine, 2-[(1R)-2-(2-methoxyphenyl)-1-phenylethyl]-, (2S)-rel-	(CA
	INDEX NAME)	

Relative stereochemistry.



FN 935762-21-9 CAPLUS
 CN Morpholine, 2-[(1R)-2-[1,1'-biphenyl]-2-yl-1-phenylethyl]-, (2S)-rel-
 [CA

Relative stereochemistry.



LE AMENOR 2 OF 1 CARLOS COPYRIGHT 2009 ACS ON FTH
 ACCESSION NUMBER: 1403-63857 2009
 1403-151289
 TITLE: Morpholine derivatives as morphine/opioid reuptake inhibitors, their preparation and use for treating disorders associated with morphine/opioid dysfunction
 INVENTOR(S): Gallagher, Peter Thaddeus; Lamas-Petella, Francisco Agapay-Chicarro, Francisco Javier
 PATENT ASSIGNEE(S): Lilly and Company, USA
 SOURCE: PCT Int. Appl., 84 pp.
 CODE: P10022
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNTRY: 1
 PATENT INFORMATION:

[illegible]

OTHER SOURCE(S) : CASREACT 143+153389; NAMEAT 143+153389

Absolute stereochemistry.



HN 860014-01-4 CAPLUS
CN Morpholine, 2-[(1R)-2-(4-fluorophenyl)-1-phenylethyl]-, (2R)-
(CA INDEX NAME)

Absolute stereochemistry.



HN 860014-01-5 CAPLUS
CN Morpholine, 2-[(1S)-2-(4-fluorophenyl)-1-phenylethyl]-, (2R)-
(CA INDEX NAME)

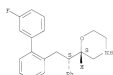
Absolute stereochemistry.



HN 860014-04-6 CAPLUS
CN Morpholine, 2-[(1R)-2-(4'-fluoro[1,1'-biphenyl]-2-yl)-1-phenylethyl]-,
(2R)- (CA INDEX NAME)

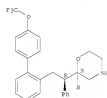
Absolute stereochemistry.

Absolute stereochemistry.



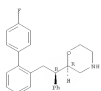
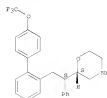
HN 860014-09-0 CAPLUS
CN Morpholine, 2-[(1R)-2-(4'-[trifluoromethoxy]-1,1'-biphenyl)-2-yl]-1-phenylethyl]-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



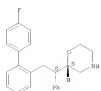
HN 860014-09-1 CAPLUS
CN Morpholine, 2-[(1R)-2-(4'-[trifluoromethoxy]-1,1'-biphenyl)-2-yl]-1-phenylethyl]-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



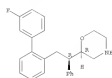
HN 860014-05-7 CAPLUS
CN Morpholine, 2-[(1R)-2-(4'-fluoro[1,1'-biphenyl]-2-yl)-1-phenylethyl]-,
(2S)- (CA INDEX NAME)

Absolute stereochemistry.



HN 860014-06-8 CAPLUS
CN Morpholine, 2-[(1R)-2-(3'-fluoro[1,1'-biphenyl]-2-yl)-1-phenylethyl]-,
(2R)- (CA INDEX NAME)

Absolute stereochemistry.

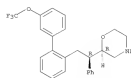


HN 860014-07-9 CAPLUS
CN Morpholine, 2-[(1R)-2-(3'-fluoro[1,1'-biphenyl]-2-yl)-1-phenylethyl]-,
(2S)- (CA INDEX NAME)

Absolute stereochemistry.

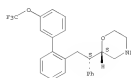
HN 860014-10-4 CAPLUS
CN Morpholine, 2-[(1R)-2-(3'-[trifluoromethoxy]-1,1'-biphenyl)-2-yl]-1-phenylethyl]-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



HN 860014-11-3 CAPLUS
CN Morpholine, 2-[(1R)-2-(3'-[trifluoromethoxy]-1,1'-biphenyl)-2-yl]-1-phenylethyl]-, (2S)- (CA INDEX NAME)

Absolute stereochemistry.



HN 860014-20-6 CAPLUS
CN Morpholine, 2-[(1R)-2-(2-diphenylethyl)-1-phenylethyl]-, hydrochloride (1:1), (2R)- (CA INDEX NAME)

Absolute stereochemistry.



● HCl

HN 860014-21-7 CAPLUS

16 ANEXEX 2 OF 11 CAPLOS COPYRIGHT 2009 ACS ON STM (Continued)
 CN Morpholine, 2-[(1R)-1,2-diphenylethyl]-, hydrochloride (1:1), (2R)- (CA INDEX NAME)

Absolute stereochemistry.



● RC1

RN 860014-22-0 CAPLOS
 CN Morpholine, 2-[(1R)-1,2-diphenylethyl]-, hydrochloride (1:1), (2S)- (CA INDEX NAME)

Absolute stereochemistry.



● RC1

RN 860014-23-9 CAPLOS
 CN Morpholine, 2-[(1S)-1,2-diphenylethyl]-, hydrochloride (1:1), (2S)- (CA INDEX NAME)

Absolute stereochemistry.



● RC1

RN 860014-27-3 CAPLOS
 CN Morpholine, 2-[(1S)-1-phenyl-2-[2-(trifluoromethyl)phenyl]ethyl]-, hydrochloride (1:1), (2R)- (CA INDEX NAME)

16 ANEXEX 2 OF 11 CAPLOS COPYRIGHT 2009 ACS ON STM (Continued)
 hydrochloride (1:1), (2S)- (CA INDEX NAME)

Absolute stereochemistry.



● RC1

IT 860013-87-2P 860013-88-3P 860013-89-4P
 860013-91-3P 860013-92-3P 860013-93-0P
 860014-10-2P, 2-[(1R)-1,2-diphenylethyl]morpholine 860014-21-2P
 2-[(1R)-1,2-diphenylethyl]morpholine 860014-21-2P
 R1, PAC (Pharmacological activity); R2 (Reaction); R3 (Synthesis preparation); T2P (Therapeutic use); R2G (Biological study); R2P (Preparation); R2G (Reaction or reagent); R2G (Toxicology) (drug candidates preparation of morpholine derivs. as morphinephrine enantiomer analogues)

RN 860013-87-2 CAPLOS
 CN Morpholine, 2-[(1R)-2-[2-(1-methylethyl)phenyl]-1-phenylethyl]-, (2R)-rel- (CA INDEX NAME)

Relative stereochemistry.



RN 860013-88-3 CAPLOS
 CN Morpholine, 2-[(1R)-2-[2-(phenoxyphenyl)-1-phenylethyl]-, (2R)-rel- (CA INDEX NAME)

Relative stereochemistry.



RN 860013-89-4 CAPLOS

16 ANEXEX 2 OF 11 CAPLOS COPYRIGHT 2009 ACS ON STM (Continued)

Absolute stereochemistry.



● RC1

RN 860014-28-4 CAPLOS
 CN Morpholine, 2-[(1R)-3-phenyl-2-[2-(trifluoromethyl)phenyl]ethyl]-, hydrochloride (1:1), (2R)- (CA INDEX NAME)

Absolute stereochemistry.



● RC1

RN 860014-29-5 CAPLOS
 CN Morpholine, 2-[(1R)-3-phenyl-2-[2-(trifluoromethyl)phenyl]ethyl]-, hydrochloride (1:1), (2R)- (CA INDEX NAME)

Absolute stereochemistry.



● RC1

RN 860014-30-9 CAPLOS
 CN Morpholine, 2-[(1R)-3-phenyl-2-[2-(trifluoromethyl)phenyl]ethyl]-, hydrochloride (1:1), (2R)- (CA INDEX NAME)

16 ANEXEX 2 OF 11 CAPLOS COPYRIGHT 2009 ACS ON STM (Continued)
 Morpholine, 2-[(1R)-2-[5-(fluoro-2-methoxyphenyl)-1-phenylethyl]-, (2R)-rel- (CA INDEX NAME)

Relative stereochemistry.



RN 860013-91-8 CAPLOS
 CN Morpholine, 2-[(1R)-2-[3'-(fluoro[1,1'-biphenyl]-2-yl)-1-phenylethyl]-, (2R)-rel- (CA INDEX NAME)

Relative stereochemistry.



RN 860013-92-9 CAPLOS
 CN Morpholine, 2-[(1R)-1-phenyl-2-[4'-(trifluoromethoxy)[1,1'-biphenyl]-2-yl]ethyl]-, (2R)-rel- (CA INDEX NAME)

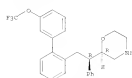
Relative stereochemistry.



RN 860013-93-0 CAPLOS

16 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
 CN Morpholine, 2-[(1R)-1-phenyl-2-[3-(trifluoromethoxy)[1,1'-biphenyl]-2-yl]ethyl]-, (2R)-rel- (CA INDEX NAME)

Relative stereochemistry.



RN 860014-19-2 CAPLUS
 CN Morpholine, 2-[1,2-diphenylethyl]- (CA INDEX NAME)



RN 860014-22-1 CAPLUS
 CN Morpholine, 2-[1-phenyl-2-[2-(trifluoromethyl)phenyl]ethyl]- (CA INDEX NAME)

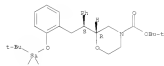


IT 860014-16-0F
 RI FMC (Pharmacological activity); SPN (Synthetic preparation); THO (Therapeutic use); NCL (Biological study); PREP (Preparation); USES (Uses)

[drug candidate; preparation of morpholine derivs. as norepinephrine reuptake inhibitors]
 RN 860014-16-0 CAPLUS
 CN Morpholine, 2-[1(1R)-1-phenyl-2-[2-(3-tyridyl)phenyl]ethyl]-, hydrochloride (1:2), (2R)-rel- (CA INDEX NAME)

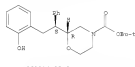
Relative stereochemistry.

16 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



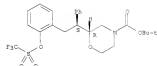
RN 860014-14-8 CAPLUS
 CN 4-Morpholinecarboxylic acid, 2-[(1R)-2-[2-(hydroxyphenyl)-1-phenylethyl]-, 1,1-dimethylethyl ester, (2R)-rel- (CA INDEX NAME)

Relative stereochemistry.

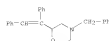


RN 860014-13-8 CAPLUS
 CN 4-Morpholinecarboxylic acid, 2-[(1R)-1-phenyl-2-[2-[(trifluoromethyl)oxy]phenyl]ethyl]-, 1,1-dimethylethyl ester, (2R)-rel- (CA INDEX NAME)

Relative stereochemistry.



RN 860014-17-1 CAPLUS
 CN Morpholine, 2-[1,2-diphenylethyl]-4-(phenylethyl)- (CA INDEX NAME)



RN 860014-24-0 CAPLUS

16 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



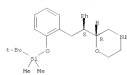
●● HCl

IT 860014-12-6F 860014-13-7F 860014-14-8F
 860014-15-0F 860014-17-1F,
 4-Benzyl-2-[1,2-diphenylethyl]morpholine 860014-24-0F,
 4-Benzyl-2-[1-phenyl-2-[2-(trifluoromethyl)phenyl]ethyl]morpholine
 RI: RCT (Isotam); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

[intermediate; preparation of morpholine derivs. as norepinephrine reuptake inhibitors]

RN 860014-12-6 CAPLUS
 CN Morpholine,
 2-[1(1R)-2-[2-[(1,1-dimethylethyl)dimethylsilyloxy]phenyl]-1-phenylethyl]-, (2R)-rel- (CA INDEX NAME)

Relative stereochemistry.

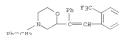


RN 860014-13-7 CAPLUS
 CN 4-Morpholinecarboxylic acid, 2-[(1R)-2-[2-[(1,1-dimethylethyl)dimethylsilyloxy]phenyl]-1-phenylethyl]-, 1,1-dimethylethyl ester, (2R)-rel- (CA INDEX NAME)

Relative stereochemistry.

16 ANSWER 2 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

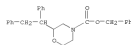
CN Morpholine, 4-[(phenylethyl)-2-[1-phenyl-2-[2-(trifluoromethyl)phenyl]ethyl]- (CA INDEX NAME)



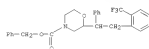
IT 860014-19-3F, 2-[1,2-Diphenylethyl]morpholine 4-carboxylic acid benzyl ester 860014-26-2F
 RI: PREP (Physical, engineering or chemical process); PYP (Physical process); SPN (Synthetic preparation); PREP (Preparation); FPC (Process)

[preparation of morpholine derivs. as norepinephrine reuptake inhibitors]

RN 860014-19-3 CAPLUS
 CN 4-Morpholinecarboxylic acid, 2-[1,2-diphenylethyl]-, phenylethyl ester (CA INDEX NAME)



RN 860014-26-2 CAPLUS
 CN 4-Morpholinecarboxylic acid, 2-[1-phenyl-2-[2-(trifluoromethyl)phenyl]ethyl]-, phenylethyl ester (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE SE

FORMAT

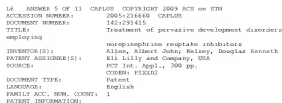
EN 847687-21-2 CAPLUS
 CN Morpholine, 2-[(2-{5-fluoro-2-methoxyphenyl}-1-methyl-1-phenylethyl)-, hydrochloride (1:1) (CA INDEX NAME)



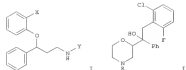
● 802

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

[illegible]

OTHER SOURCE(S): CASREACT 142:291415; NARPAT 142:291415
GI



AB Provided are methods and medicaments for treating a pervasive developmental disorder, comprising administering to a patient in need of such treatment

an effective use of a selective norepinephrine reuptake inhibitor. The invention discloses the use of atomoxetine, racemic rebooxetine, 1-phenyl-2-(1-methyl-2-morpholinoethyl)pyrrolidine, 1-phenyl-2-(1-methyl-2-morpholinoethyl)pyrrolidine-3-ol, 1-phenyl-2-(1-methyl-2-morpholinoethyl)pyrrolidine-3-ol, and 1-phenyl-2-(1-methyl-2-morpholinoethyl)pyrrolidine-3-ol, as well as their pharmaceutically acceptable salts, for the norepinephrine reuptake inhibition described herein. The invention also discloses the prepns. of addnl. heterocyclic derivs. (as well as their pharmaceutically acceptable salts) that possess ability to serve as norepinephrine reuptake inhibitors. For example, morpholine derivs. 1-[(2R,3R)-2-(1-methyl-2-morpholinoethyl)-3-phenylpyrrolidine] and 1-[(2R,3R)-2-(1-methyl-2-morpholinoethyl)-3-phenylpyrrolidine-3-ol] are disclosed, as are subsequent N-debenzylation of the obtained acid, 2 (R = R₁). The preferred invention compds. exhibit IC₅₀ values of less than 500 nM at the norepinephrine transporter (NET) inhibition potency assay.

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IT 847687-21-2
RL: RCT (Reactant); RACT (Reactant or reagent)
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(preparation of heterocyclic compds. useful as norepinephrine reuptake  
inhibitors)
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● SCI

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

ACCESSION NUMBER: 2005:216659 CAPLUS
DOCUMENT NUMBER: 142:291414

TITLE: Treatment of learning disabilities and motor skills disorder with norepinephrine reuptake inhibitors

INVENTOR(S): Sumner, Calvin Russell
PATENT ASSIGNER(S): Eli Lilly and Company, USA
CORRELATE: 000 7-00 3-00 3-00 3-00

SOURCE: PCT Int. Appl., 304 pp.
 CODEN: P1XKBD
 DOCUMENT TYPE: Patent

DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

[illegible]

OTHER SOURCE(S): MARIAT 142-281414

16 ANWEX 7 OF 11 CAPLUS COPYRIGHT 2009 ACS on STM (Continued)
aches (e.g., migraine, headache, cluster headache, toothache, cancerous
pain, back pain, neuralgia, etc.). Thus, chloroformate (3 drops) was
added to a mixt. of (8a,9a)-6-benzhydryl-2-[2-methoxy-5-[5-

(trifluoromethyl)-18-tetrazol-1-yl]benzyl]octahydrocyclopiazinol, 2- α -pyrazine
trichloroethide (12 mg) and N,N-diisopropylthylamine (4 drops) in
dichloromethane (7 mL) under low-boiling and stirred at the same temp.

for 2 h to give, after work-up, purific. on silica gel chromatog., and
treatment with 4 N HCl/EtOAc, (8a,9a)-6-benzhydryl-8-[2-methoxy-5-[5-

(trifluoromethyl)-18-tetrazol-1-yl]benzyl]octahydrocyclopiazinol, 2- α -pyrazine-
2-carboxylic acid Me ester, dihydrochloride (IV) (7.5 mg) as a colorless
powder. IV showed 90 % inhibition rate of anemic in the dog at the dose
of 1.0 mg/kg.

37 385802-02-81
Kls JCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(Intermediate; preparation of benzhydryl deriv. as tachykinin
antagonists)

for treating or preventing tachykinin-mediated diseases)
38 385802-02-8 CAPLUS
CN Morpholine, 2-[(diphenylmethyl)-4-[[2-methoxy-5-[5-(trifluoromethyl)phenyl]methyl]-, hydrochloride (1:1)] (CA INDEX NAME)



37 385802-16-7P 385802-17-8P
Kls PNC (Pharmacological activity); SPN (Synthetic preparation); PREP
(Preparation); RACT (Reactant or reagent)
(Intermediate; preparation of benzhydryl deriv. as tachykinin antagonists for
treating or preventing tachykinin-mediated diseases)

38 385802-16-7 CAPLUS
CN Morpholine, 2-[(diphenylmethyl)-4-[[2-methoxy-5-[5-(trifluoromethyl)phenyl]methyl]-, hydrochloride (1:1)] (CA INDEX NAME)



● HCl

38 385802-17-8 CAPLUS
CN Morpholine, 2-[(diphenylmethyl)-4-[[2-methoxy-5-[5-(trifluoromethyl)-18-

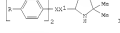
16 ANWEX 8 OF 11 CAPLUS COPYRIGHT 2009 ACS on STM (Continued)
ACCESSION NUMBER: 1393133010 CAPLUS
DOCUMENT NUMBER: 119139010
ORIGINAL REFERENCE NO.: 119139010, 24924a

TITLE: Agents for the treatment of overactive detrusor. IV.
Synthesis and structure-activity relationships of
cyclic analogs of terodiline

AUTHOR(S): Tera, Takao; Shiohara, Yoshiko
CORPORATE SOURCE: New Drug Res. Lab., Fujisawa Pharm. Co., Ltd., Osaka,
552, Japan

SOURCE: Chemical & Pharmaceutical Bulletin (1993), 41(3),
507-15
CODEN: CPBTLN, ISSN: 0009-2363

DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 119139010
GI



AS A series of pyrrolidine derivs. were synthesized and examined for
inhibitory activity on detrusor contraction in vivo. Among these compds., I (R = H,
F, Cl) = CHED, CHC, NCHD showed stronger inhibitory activity on
detrusor contraction than terodiline.

37 149553-62-8 149553-63-8
Kls JCT (Reactant); RACT (Reactant or reagent)
(Preparation as inhibitor of detrusor muscle contraction)

38 149553-62-8 CAPLUS
CN Morpholine, 5-(2,2-diphenylethyl)-3,3-dimethyl- (CA INDEX NAME)

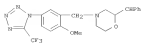


38 149553-63-8 CAPLUS
CN Morpholine, 5-(2,2-diphenylethyl)-3,3-dimethyl-, methanesulfonate (1:1)
(CA INDEX NAME)

CH 3

CHN 149553-62-8
CHN C2O H15 N O

16 ANWEX 7 OF 11 CAPLUS COPYRIGHT 2009 ACS on STM (Continued)
tetrazol-1-yl]phenyl]methyl)-, hydrochloride (1:1)] (CA INDEX NAME)



● HCl

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

16 ANWEX 8 OF 11 CAPLUS COPYRIGHT 2009 ACS on STM (Continued)



CH 2

CHN 75-75-2

CHN C 84 O 5



16 ANNEX 9 OF 11 CAPLUS COPYRIGHT 2009 ACS on STM
 ACCESSION NUMBER: 1962;7722 CAPLUS
 DOCUMENT NUMBER: 5617722
 ORIGINAL REFERENCE NO.: 5614615-1
 TITLE: 3-Benzhydrylmorpholine and its salts
 INVENTOR(S): Wunthopy, Stanley O.
 PATENT ASSIGNEE(S): American Home Products Corp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNTRY: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 239185		19610725	US 1552-75352	19590225
FR108177 APPL. INFO.		US		19590225

AS 3-Benzhydrylmorpholine (I) and its salts are central nervous system stimulants. The preparation of I is described. Thus, 48 g. of 2-(2-diphenylacetyl)-N-methyl-2-morpholinecarboxamide (II) was converted into the free base with NaOH and the base extracted into ether. The dry

ether solution was added dropwise with stirring into a solution of 11.4 g. LiAlH₄ in 100 ml. ether. The mixture was heated 1 hr. after addition Water 150 ml.) was added, the suspension filtered, and the precipitate washed with acetone. The filtrate was evaporated and the residue triturated with hexane to give

14 g. 3-(1-diphenyl-2-antipropenyl) (II), m. 120-1°. To a mixture of 107 ml. ethylene dichloride and 71 ml. water containing 2.7 g. NaOH was added 8.9 g. II. This mixture was cooled to 0°, and 6.4 g. chloroacetyl chloride was added dropwise at 0°. After addition, the mixture was allowed to warm to room temperature and stirred 3 hrs. The organic layer was dried, evaporated, and the residue crystallized from benzene-hexane to give 7.4 g. 3-(1-diphenyl-2-(4-chloroacetamido)-1-propenyl) (III), m. 126-4°. III (1.7 g.) was dissolved in 20 ml. absolute EtOH containing

0.72 g. powdered, dried K₂CO₃. The solution was stirred at room temperature 4 hrs. and filtered. The filtrate was evaporated and the residue triturated with ether to give 1.5 g. 3-benzhydryl-3-morpholine (IV), m. 123-5°. A solution of 1.3 g. IV in 150 ml. tetrahydrofuran was added dropwise, with stirring, to 2.6 g. LiAlH₄ in 50 ml. tetrahydrofuran. The mixture was refluxed 2 hrs. after the addition Heat, 4.7 ml. water was added and the mixture filtered.

The ether layer was dried and aqueous HCl introduced to give 1.55 g. 3-benzhydrylmorpholine-HCl (I), m. >150° (decomposition).
 IT 93406-27-0, Morpholine, 3-(diphenylmethyl)-
 (derivate.)
 EN 93406-27-0 CAPLUS
 CH Morpholine, 3-(diphenylmethyl)- (CA INDEX NAME)

16 ANNEX 9 OF 11 CAPLUS COPYRIGHT 2009 ACS on STM (Continued)



IT 93406-27-0P, Morpholine, 3-(diphenylmethyl)- 93817-51-7P
 3-Morpholinone, 5-(diphenylmethyl)- 106976-02-9P, Morpholine,
 3-(diphenylmethyl)-, hydrochloride
 RI: PREP (Preparation)
 EN 93406-27-0 CAPLUS
 CH Morpholine, 3-(diphenylmethyl)- (CA INDEX NAME)



EN 93817-51-7 CAPLUS
 CH 3-Morpholinone, 5-(diphenylmethyl)- (CA INDEX NAME)



EN 106976-02-3 CAPLUS
 CH Morpholine, 3-(diphenylmethyl)-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

16 ANNEX 10 OF 11 CAPLUS COPYRIGHT 2009 ACS on STM
 ACCESSION NUMBER: 1962;7722 CAPLUS
 DOCUMENT NUMBER: 5617722
 ORIGINAL REFERENCE NO.: 5614615-1
 TITLE: Benzhydrylmorpholine, 5,5-dioxides
 INVENTOR(S): Wunthopy, Stanley O., Josef
 PATENT ASSIGNEE(S): Chemische Fabrik Promonta G.m.b.H.
 DOCUMENT TYPE: Patent
 LANGUAGE: Unavailable
 FAMILY ACC. NUM. COUNTRY: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1081055		19600901		

AS The title compounds, useful as intermediates for pharmaceuticals, were obtained by heating 2-chlorocyclohexyl o-aniline (or hydroquinone/phenyl sulfones to temps. above 170°. Thus, 55 g. 2-chlorocyclohexyl o-anisophenyl sulfide (Pharash, et al., CA 41, 62171) in 250 ml. AcOH and

67 ml. 32% HClO₄ was refluxed 3 hrs. and poured into 1.5 l. H₂O to give 76 g. 2-chlorocyclohexyl o-nitrophenyl sulfone (I), m. 141-2°. I (20 g.) in 250 ml. EtOH was hydrogenated (1.5 g. 10% Pd/C), to give 34 g. 2-chlorocyclohexyl o-anisophenyl sulfone (II), m. 79-80°. II (4.9 g.) was heated under 5 mm. at 200° and distilled (0.3 mm, 210-40° bath-temperature) to give 0.9 g. benzhydrylmorpholine 5,5-dioxide (III), m. 134-4.5°. Similarly, I was hydrogenated to 2-chlorocyclohexyl o-hydroxyphenyl sulfone (m. 117-25°), which on treating as above gave 12 g. 2-chlorocyclohexyl 2-nitro-6-chlorophenyl sulfide (obtained from 2-nitro-6-chlorophenyl sulfide chloride and cyclohexanone) was oxidized with H₂O₂ to the sulfone compound, which was hydrogenated to 2-chlorocyclohexyl 2-amino-6-chlorophenyl sulfone (IV). IV (7 g.) was heated under H₂ to 200-25° until 66% of the theoretical amount of HCl was split off. Then the product was distilled

10.001
 mm, bath-temperature, 220-10° to give 0.9 g. 8-chloro-6-amino-2-hydroxyphenothiazine 5,5-dioxide, m. 206-7°.

IT 93406-27-0, Morpholine, 3-(diphenylmethyl)-
 (derivate.)
 EN 93406-27-0 CAPLUS
 CH Morpholine, 3-(diphenylmethyl)- (CA INDEX NAME)



IT 93406-27-0P, Morpholine, 3-(diphenylmethyl)-
 RI: PREP (Preparation)
 EN 93406-27-0 CAPLUS
 CH Morpholine, 3-(diphenylmethyl)- (CA INDEX NAME)

16 ANNEX 10 OF 11 CAPLUS COPYRIGHT 2009 ACS on STM (Continued)



16 ABSTRACT 11 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN
 ACCESSION NUMBER: 1961144283 CAPLUS
 DOCUMENT NUMBER: 15144283
 ORIGINAL REFERENCE NO.: 55127375-1, 273764-6
 TITLE: Central stimulus, cyclized diphenylisopropylamines
 AUTHOR(S): Westrop, Stanley G.; Hunter, Leslie G.
 CORPORATE SOURCE: Agatraz Inc. Lab., Montreal, Can.
 SOURCE: Journal of Organic Chemistry (1991), 56, 2834-6
 CORDIS JCRANK: MONR 0022-3263

DOCUMENT TYPE: Journal
 LANGUAGE: English
 OTHER SOURCE(S):

AB A series of cyclized diphenylisopropylamines were synthesized for evaluation as central nervous system stimulants.
 P,β-Diphenylalanine (40 g.) and 400 ml. 10% alc.-HCl refluxed 4 hrs. gave 11 β,β-diphenylalaninate-HCl (I), m. 200-1° (decomposition) (alc.-EtOH). 3 (48 g.) in EtOH neutralized, the free base taken up in EtOH, and refluxed 1 hr. with 11.4 g. LiAlH₄ in 200 ml. EtOH gave 14

g. 7,7-diphenyl-2-amino-3-propanol (II), m. 120-1° (C₆H₆). II (8.9 g.) added to 107 ml. C₂H₅Cl₂ and 71 ml. EtOH containing 2.3 g. NaOH, the mixture treated at 0° with 6.6 g. chloroacetyl chloride, left 3 hrs. at room temperature, and evaporated gave 7.4 g.

7,7-diphenyl-2-(α-chloroacetylaminol)-3-propanol (III), m. 104-5° (C₁₂H₁₅Cl₂·N). III (1.7 g.) in 20 ml. alc. containing 0.82 g. powdered KOH stirred 4 hrs. at room temperature, the filtrate evaporated, and the residue triturated with EtOH gave 1 g. 5-benzohydroxy-3-morpholine (IV), m. 115-4° (MeOH). IV (1.9 g.) in 150 ml. tetrahydrofuran added in 2.0 min. to 2.4 g. LiAlH₄ in 50 ml. tetrahydrofuran, the mixture refluxed 2 hrs., and hydrolyzed gave when treated with HCl 1.55 g.

3-benzohydroxy-3-morpholine-HCl, m. above 245° (decomposition) (isoPrOH). 1,1-Diphenyl-2-amino-1,3-propanediol (10 g.), 14.7 g. chloroacetyl chloride, 1.2 g. NaOH, 400 ml. C₂H₅Cl₂, and 200 ml. EtOH gave 38 g. 1,1-diphenyl-2-(α-chloroacetylaminol)-1,3-propanediol (VI), m. 161-9° (iso-PrOH). V (31 g.) in 400 ml. alc. containing 6.2 g. powdered KOH stirred 3 hrs. at room temperature and warmed 2.5 hr. at 40° gave 9.3 g. 5-(α-hydroxybenzohydroxy)-3-morpholine (VI), m.

210-25° (MeOH). VI (9 g.) refluxed 2 hrs. with 2.4 g. LiAlH₄ in EtOH gave 7.4 g. α-(1-morpholyl)benzohydroxy-HCl, m. 242-4° (decomposition). N-ε-Proline HCl ester (4.7 g.) added dropwise at room temperature to

EtOAc, the mixture refluxed 2 hrs., and hydrolyzed gave 4.3 g. oil; treatment with HCl gave α-(ε-propyl)benzohydroxy-HCl (VII), m. above 210°. VII was converted to the free base, m. 81-2° (alc.-EtOH). Phosphate (14.7 mols) in 1 l. EtOH treated in 4 hrs. with EtOH

9. benzylidenemethylclobasone in 1 l. EtOH and 10 ml. O₂CS in the presence of 1.2 g. CuCl, the mixture refluxed 1 hr., stirred overnight, poured on cracked ice, acidified, and the crude product chromatographed gave 354 2-benzohydroxy-cyclobasone (VIII), m. 105° (CH₂Cl₂-ligroline). VIII (12 g.) in 60 g. milten trichloroacetic acid treated at 66° with 4.16 g. NaOH, the mixture stirred 4 hrs. at 65°, EtOH added, the mixture made alkaline, and the organic material extracted with CHCl₃ gave 13.7 g. material

containing 15% starting material. The ketonic material removed by treatment with Girard reagent 7 and the crude product extracted gave 11.8 g. dark oil.

16 ABSTRACT 11 OF 11 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
 Crystn. gave 2-benzohydroxy-6-cyclohexamethylamine (IX), m. 133-4° (EtOH). IX (7.6 g.) in 200 ml. EtOH and 50 ml. dioxane added in 10 min to 2.06 g. LiAlH₄ in EtOH, the mixt. refluxed 2 hrs., decomposed, and isolated gave with HCl 2.5 g. hydrochloride. The free base was chromatographed on Al₂O₃ to give 2-benzohydroxy-6-cyclohexamethylamine, m. 200-24° (Me₂CO-EtOH). 3-Carboethoxy-6-ethoxy-6-cyclohexamethylamine-HCl (4.7 g.) added slowly to 0.25 mole PhH₂ in EtOH, the mixt. refluxed 3 hrs., stirred overnight at room temp., decomposed, and the product sepd. as 6-6

9. oil; treatment with HCl gave m-(1,2,3,4-tetrahydro-3-isooquinolyl)benzohydroxy-HCl, m. above 250° (alc.).

17 79317-51-7P, 3-Morpholine, 3-diphenylmethyl-, hydrochloride
 108976-02-9P, Morpholine, 3-diphenylmethyl-, hydrochloride
 RI: PREP (Preparation)
 (Preparation of)

RI 79317-51-7 CAPLUS
 CH 3-Morpholine, 3-(diphenylmethyl)- (CA INDEX NAME)



RI 108976-02-9 CAPLUS
 CH Morpholine, 3-(diphenylmethyl)-, hydrochloride (111) (CA INDEX NAME)



=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

62.54

275.82

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE

TOTAL

ENTRY

SESSION

CA SUBSCRIBER PRICE

-9.02

-9.02

STN INTERNATIONAL LOGOFF AT 18:27:22 ON 15 MAY 2009